IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Yasuhiro KOBAYASHI et al.

Attorney Docket Number: 103213-00103

Date: December 23, 2004

Serial Number: NEW PATENT APPLICATION

Filed: December 23, 2004

For: ACTIVE MATRIX TYPE LIQUID CRYSTAL DISPLAY DEVICE

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450
Alexandria VA 22313-1450

Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the information items listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each item is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the items be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

\boxtimes	merits	This Information Disclosure Statement is being filed (a) within three months U.S. filing date, OR (b) before the mailing date of a first Office Action on the in the present application, OR (c) accompanies a Request for Continued nation. No certification or fee is required.
		This Information Disclosure Statement is being filed more than three months ne U.S. filing date AND after the mailing date of the first Office Action on the but before the mailing date of a Final Rejection or Notice of Allowance.
		a. I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(1).
		b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(2).
		c. Check number in the amount of \$180.00 in payment of the fee under 37 CFR §1.17(p). Please charge any fee deficiency or credit any overpayment to Deposit Account Number 01-2300 as needed to ensure

consideration of the disclosed information.

	3. This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Applicants hereby petition that the Information Disclosure Statement be considered. Attached is our check number in the amount of \$180.00 in payment of the petition fee under 37 CFR §1.17(i)(1). Please charge any fee deficiency or credit any overpayment to Deposit Account Number 01-2300 as needed to ensure consideration of the disclosed information.					
		a. I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(1).				
		b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(2).				
Ø	4	Two of the references were cited in counterpart foreign application				

4. Two of the references were cited in counterpart foreign application PCT/JP03/16832, filed December 25, 2003. The International Search Report is attached for the Examiner's information.

Japanese Patent Publication Number 6-3647, dated January 14, 1994, discloses an active matrix type liquid crystal display device composed of liquid crystal pixels arrayed in a matrix and pixel transistors for driving the individual liquid crystal pixels. Here, immediately before the transition from the selection period to the nonselection period, the voltage level applied to the gate electrode is first lowered to a second high-level gate voltage that is lower than a first high-level gate voltage, and is then made to fall further to a low-level gate voltage to produce a gate pulse. In this way, the voltage shift in the image signal written to each liquid crystal pixel can be reduced.

Respectfully submitted,

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Enclosures: Form PTO-1449

International Search Report

References (3)

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NUMBER
103213-00103

NEW PATENT APPLICATION

APPLICANT

Yasuhiro KOBAYASHI et al.

FILING DATE

GROUP ART UNIT

(Use several sheets if necessary)

LIST OF REFERENCES CITED BY APPLICANT

December 23, 2004

U.S. PATENT DOCUMENTS

EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
	AB						
	AC						
	AD						
	ΑE						
	AF						

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TR/ YES	NSLAT	ION PART.
AG	2-74989	March 14, 1990	Japan				х	
 AH	6-3647	January 14, 1994	Japan					х
AI	9-101502	April 15, 1997	Japan				х	
AJ								
AK								,
AL								

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

OTTIER RELEASES (molading Address, Time, Bate, Tertinester ages, Etc.)						
	АМ					
	AN					
	AO					

EXAMINER		DATE CONSIDERED
*EXAMINER:	Initial if reference considered, whether or not citation is in conformance and not considered. Include copy of this for	n conformance with MPEP 609; Draw line through citation if not in with next communication to applicant.